

Draft CALFED Water Quality Actions Framework for Organophosphate Pesticides

Cover Pages

Objective

The objective is to manage pesticides through existing regulatory agencies and voluntary cooperation of pesticide users such that the beneficial uses of the waters of the Bay-Delta and its tributaries are not impaired by toxicity originating from pesticide use (Water Quality Program Plan pg. 5-2).

Task	Action Description	Implementing Entity(ies)	Geographic Area	Potential Funding	Indicators of Success	Completion Date	Total \$\$ Required	Funding Deficit \$\$	Funding Plan	Date to Secure \$\$	Rank ²	WQP Plan Ref.
A	Evaluate levels of O-P pesticides which protect fish and wildlife	RB ¹ , DPR ¹	Sacramento, San Joaquin and Feather rivers, Delta	See below	DPR prepare report, with input from RB, with preliminary O-P pesticide targets for rivers and Delta.	1999	See below	See below	SRWP ¹ providing funding for analysis for the Sacramento River watershed.		High	• C-7
B	Determine sources, fate, and transport of O-P pesticides	RB, DPR	Sacramento, San Joaquin and Feather rivers, Delta	See below	DPR and RB will identify reaches of the Sacramento, Feather, and San Joaquin rivers, Delta and urban creeks which are impacted by O-P pesticides. Develop load allocations which will eliminate impacts.	2000	See below	See below	SRWP, pesticide manufacturers		High	•
C	Develop a long-term O-P management plan that meets federal and state requirements	RB, DPR	Sacramento, San Joaquin, and Feather river watersheds	See below	RB and DPR will prepare an O-P pesticide management plan. Central Valley RB approves a basin plan amendment for O-P pesticides.	Plan due 2001	See below	See below	See below		High	•
	Develop load reduction plan for urban creeks in the Delta	RB, DPR	Sacramento, San Joaquin, and Feather river watersheds	SRWP, CALFED, DPR	Reductions in toxicity events attributed to pesticides of concern	Evaluate 2000; develop approach 2000		0	SRWP has funded RB and DPR staff time to conduct this work for the Sacramento and Feather rivers.		High	• C-7

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	Adopt Central Valley Basin Plan amendment to include water quality objectives and an implementation program for the main stem rivers and the Delta that fulfills the requirements of a TMDL ¹ .	RB responsibility, DPR provides input	Sacramento, San Joaquin and Feather rivers, Delta	SRWP, RB, DPR	Central Valley RB approves a basin plan amendment for O-P pesticides	Sacramento, Feather Rivers by 2001 San Joaquin/Delta by 2005	\$600K	\$600K	CALFED, RB		Sac. & Feather r High	*
D	Implement O-P pesticide management plan	DPR	Sacramento, San Joaquin and Feather rivers, Delta	See below	Complete and/or near complete implementation of O-P pesticide management practices	2001 → continuous			See below		High	*
E	Evaluate the effectiveness of the O-P pesticide management plan	RB, DPR	Sacramento, San Joaquin and Feather rivers, Delta	See below	RB and DPR will implement programs to monitor both O-P pesticide water quality and management practice effectiveness.	To be established in TMDL implementation plan			RB, DPR, SRWP			*
F	Update A-E	RB, DPR			RB and DPR will evaluate the effectiveness of the O-P pesticide management program, identify deficiencies in meeting O-P targets and will address deficiencies.	To be established in TMDL implementation plan			RB, DPR			*
G	Federal and state oversight of A - E as necessary	RB, EPA	Sacramento, San Joaquin and Feather rivers, Delta	RB, EPA	RB will oversee that the adopted Basin Plan requirements are being met. EPA will oversee that O-P pesticide TMDLs are being met.	Continuous			EPA, RB			*

¹Notes and Abbreviations:

SRWP: Sacramento River Watershed Program, RB: Central Valley Regional Water Quality Control Board, EPA: U.S. Environmental Protection Agency, DPR: California Department of Pesticide Regulation, F&G: California Department of Fish and Game, F&W: U.S. Department of Fish and Wildlife, DWR: California Department of Water Resources, State Board: State Water Resources Control Board, O-P: organophosphate pesticides,

²Priority Ranking: H = high priority activities that require funding in the next two years.

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